

# Donkey anti-Mouse IgG (H+L) ReadyProbes™ Secondary Antibody, Alexa Fluor 488

Product Details	
Size	2 x 2.5 mL
Species Reactivity	Mouse
Host/Isotope	Donkey / IgG
Class	Polyclonal
Type	Secondary Antibody
Conjugate	Alexa Fluor® 488
Immunogen	Gamma Immunoglobulin
Form	Liquid
Purification	Affinity chromatography
Storage buffer	PBS with 0.1% BSA
Contains	<0.1% sodium azide
Storage Conditions	4° C, store in dark
RRID	AB_2556542

Applications	Tested	Dilution	Published
Immunohistochemistry (Frozen) (IHC (F))	-	1:750	1 Publication
Immunocytochemistry (ICC)	✓	Assay-Dependent	2 Publications
Western Blot (WB)	-	1:500	3 Publications
Immunohistochemistry (IHC)	-	1:200	3 Publications
Flow Cytometry (Flow)	✓	Assay-Dependent	
Immunofluorescence (IF)	✓	Assay-Dependent	

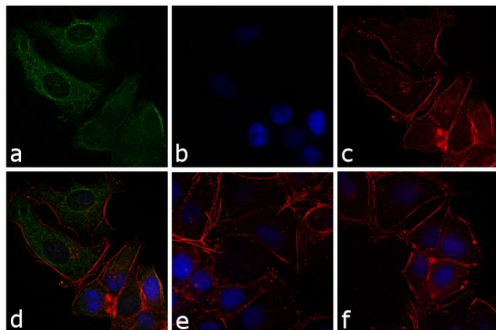
## Product Specific Information

No pipetting or dilutions required. Just tip and drip two drops per mL buffer to stain your cells.

This antibody shows minimum cross-reactivity to bovine, chicken, goat, guinea pig, hamster, horse, human, rabbit, rat, and sheep serum proteins. Like other ReadyProbes reagents, Alexa Fluor 488 Donkey anti-Mouse IgG Antibody comes in a convenient dropper bottle.

**Mouse IgG (H+L) Secondary Antibody (R37114) in IF**

Immunofluorescence analysis of Donkey anti-Mouse IgG Secondary Antibody, Alexa Fluor 488 was performed using MCF-7 cells stained with Cytokeratin 19 (RCK108) Mouse Monoclonal Primary Antibody (Product # MA5-12613). The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, blocked with 1% BSA for 1 hour and labeled with Mouse primary antibody (1:250 dilution) for 3 hours at room temperature. Donkey anti-Mouse IgG Secondary Antibody, Alexa Fluor 488 (Product # R37114) was used at 1:5000 dilution in phosphate buffered saline containing 0.2 % BSA for 45 minutes at room temperature, for detection of Cytokeratin 19 in the cytoplasm (Panel a: green). Nuclei (Panel b: blue) were stained with DAPI in SlowFade® Gold Antifade Mountant (Product # S36938). F-actin was stained with Rhodamine Phalloidin (Product # R415, 1:300) (Panel c: red). Panel d represents the composite image. No nonspecific staining was observed with the secondary antibody alone (panel f), or with an isotype control (panel e). The images were captured at 60X magnification.



## 9 References

### Immunohistochemistry (Frozen) (1)

eNeuro

#### Western High-Fat Diet Consumption during Adolescence Increases Susceptibility to Traumatic Stress while Selectively Disrupting Hippocampal and Ventricular Volumes.

"R37114 was used in immunohistochemistry - frozen section to test if a Western-like high-fat diet predisposes rats to post-traumatic stress responsivity"

Authors: Kalyan-Masih P,Vega-Torres JD,Miles C,Haddad E,Rainsbury S,Baghchechi M,Obenaus A,Figueroa JD

**Species**  
Not Applicable

**Dilution**  
1:750

**Year**  
2017

### Immunocytochemistry (2)

Human molecular genetics

#### Mutation in VPS33A affects metabolism of glycosaminoglycans: a new type of mucopolysaccharidosis with severe systemic symptoms.

"R37114 was used in immunocytochemistry to investigate a novel mucopolysaccharidosis-like disease caused by a specific mutation in the VPS33A gene"

Authors: Kondo H,Maksimova N,Otomo T,Kato H,Imai A,Asano Y,Kobayashi K,Nojima S,Nakaya A,Hamada Y,Irahara K,Gurinova E,Sukhomyasova A,Nogovicina A,Savvina M,Yoshimori T,Ozono K,Sakai N

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2017

Molecular medicine reports

#### Directed differentiation of postnatal hippocampal neural stem cells generates nuclear receptor related1 protein and tyrosine hydroxylaseexpressing cells.

"R37114 was used in immunocytochemistry to assess the differentiation potential of hippocampal neural stem cells"

Authors: Ding Y,Zhang Z,Ma J,Xia H,Wang Y,Liu Y,Ma Q,Sun T,Liu J

**Species**  
Not Applicable

**Dilution**  
1:1000

**Year**  
2016

### Western Blot (3)

Nature communications

#### LncBRM initiates YAP1 signalling activation to drive self-renewal of liver cancer stem cells.

"R37114 was used in western blot to study lncBRM and YAP1 signaling in liver cancer stem cells and hepatocellular carcinoma"

Authors: Zhu P,Wang Y,Wu J,Huang G,Liu B,Ye B,Du Y,Gao G,Tian Y,He L,Fan Z

**Species**  
Not Applicable

**Dilution**  
1:500

**Year**  
2016

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### More applications with references on thermofisher.com

### IHC (3)

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